

--(ii) recovering the multispecific antibody from the host cell culture.--

Please replace the paragraph beginning at page 17, line 16 with the following rewritten paragraph:

--Figs. 2A-2C. Fig. 2A diagrams a selection scheme for C_H3 heterodimer using phage display vector, pRA2. Phage displaying stable C_H3 heterodimers are captured using an antibody directed to the gD flag. Fig. 2B diagrams a dicistronic operon in which C_H3 expressed from a synthetic gene is co-secreted with a second copy of C_H3 expressed from the natural gene (Ellison et al. Nucleic Acids Res. 10:4071-4079 (1982)) as a fusion protein with M13 gene III protein. The synthetic C_H3 gene is preceded by a sequence encoding a peptide derived from herpes simplex virus glycoprotein D (gD flag, Lasky, L. A. and Dowbenko, D. J. (1984) DNA 3:23-29; Berman, P. W. et al., (1985) Science 227:1490-1492 and a cleavage (G) site for the site-specific protease, Genenase I (Carter, P. et al. (1989) Proteins: Structure, Function and Genetics 6:240-248). Fig. 2C is the nucleic acid sequence of the dicistronic operon (SEQ ID NO:13) of Fig. 2B in which the residues in the translated C_H3 genes are numbered according to the Eu system of Kabat et al. In Sequences of Proteins of Immunological Interest, 5th ed. vol. 1, pp. 688-696, NIH, Bethesda, MD (1991). Protuberance mutation T366W is shown, as are the residues targeted for randomization in the natural C_H3 gene (366, 368, and 407).--

Please replace the paragraph beginning at page 96, line 8 with the following rewritten paragraph:

--A large human single chain Fv (scFv) antibody library (Vaughan et al. (1996), *supra*) was panned for antibodies specific for eleven antigens including Axl(human receptor tyrosine kinase ECD), GCSF-R (human granulocyte colony stimulating factor receptor

ECD), IgE (murine IgE), IgE-R (human IgE receptor α -chain), MPL (human thrombopoietin receptor tyrosine kinase ECD), MusK (human muscle specific receptor tyrosine kinase ECD), NpoR (human orphan receptor NpoR ECD), Rse (human receptor tyrosine kinase, Rse, ECD), HER3 (human receptor tyrosine kinase HER3/c-erbB3 ECD), Ob-R (human leptin receptor ECD), and VEGF (human vascular endothelial growth factor) where ECD refers to the extracellular domain. The nucleotide sequence data for scFv fragments from populations of antibodies raised to each antigen was translated to derive corresponding protein sequences. The V_L sequences were then compared using the program "align" with the algorithm of Feng and Doolittle (1985, 1987, 1990) to calculate the percentage identity between all pairwise combinations of chains (Feng, D.F. and Doolittle, R.F. (1985) J. Mol. Evol. 21:112-123; Feng, D.F. and Doolittle, R.F. (1987) J. Mol. Evol. 25:351-360; and Feng, D.F. and Doolittle, R.F. (1990) Methods Enzymol. 183:375-387). The percent sequence identity results of each pairwise light chain amino acid sequence comparison were arranged in matrix format (Table 6.1-6.15).

On page 107, after line 29 and before line 30, insert Table 6.1-6.15:

		1	2	3	4	5	Axl	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Clone		1	2	3	4	5	Axl	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1 Axl.25	-	49	50	81	83	79	79	83	46	49	49	90	45	80	46	48	42	43	44	49	50	50	79	49
2 Axl.26			98	48	52	47	52	52	70	77	71	49	68	47	68	72	57	58	59	71	97	98	47	71
3 Axl.27				-	49	53	48	53	72	79	73	50	70	48	69	74	59	60	61	73	99	100	48	73
4 Axl.32					-	82	83	83	48	49	46	85	45	84	44	48	42	42	44	46	49	49	98	48
5 Axl.35						-	77	100	48	52	52	84	51	78	49	52	46	47	48	52	53	53	80	53
6 Axl.36							-	78	48	48	47	85	47	99	44	47	42	42	43	47	48	48	81	49
7 Axl.47								-	48	52	52	84	51	79	49	52	46	47	48	52	53	53	81	53
8 Axl.51									-	72	64	49	61	48	60	66	57	57	58	64	71	72	47	69
9 Axl.75										-	66	50	60	48	62	65	61	60	63	66	78	79	48	67
10 Axl.78											-	48	85	47	95	90	59	58	61	100	72	73	45	94
11 Axl.80												-	47	85	45	49	43	44	45	48	50	50	84	50
12 Axl.82													-	47	80	83	60	58	62	85	69	70	44	82
13 GCSFR.32EA1														-	44	47	42	42	43	47	48	48	82	49
14 GCSFR.32ED5															-	87	57	56	58	95	68	69	43	90
15 GCSFR.32ED6																-	60	60	62	90	73	74	47	90
16 GCSFR.32EG5																	-	90	98	59	58	59	42	59
17 GCSFR.33EC4																		-	91	58	59	60	42	58
18 GCSFRA2																			-	61	60	61	43	61
19 GCSFRA4																				-	72	73	45	94
20 GCSFRA5																					-	99	48	72
21 GCSFRA8																						-	48	73
22 GCSFRF7																							-	47
23 GCSFRG3																								-
24 IgE.D8																								
25 IgE.G2																								
26 IgER.1A12																								
27 IgER.1D11																								
28 IgER.1E10																								
29 IgER.MAT2C1G11																								
30 Mpl.01																								
31 Mpl.02																								
32 Mpl.03																								
33 Mpl.04																								
34 Mpl.05																								
35 Mpl.06																								
36 Mpl.07																								
37 Mpl.08																								
38 Mpl.11																								
39 Mpl.12																								
40 Mpl.14																								

TABLE 6.1

kgE	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
	24	80	44	48	44	49	46	44	46	79	50	100	51	49	79	78	81	81	49	80	80	50	80	43	45	46	47	47
	59	47	59	66	58	71	58	57	57	47	66	50	76	68	48	43	48	48	68	47	48	70	48	65	72	73	69	63
	61	48	61	68	60	73	60	59	59	48	68	50	77	70	49	44	49	49	70	48	49	72	49	66	74	75	70	65
	44	84	44	46	44	46	46	42	45	83	48	81	50	46	83	80	100	100	45	84	83	47	99	45	46	47	47	44
	48	78	48	52	48	52	48	45	48	78	53	83	55	52	78	76	82	82	51	78	78	53	82	49	48	49	50	51
	43	98	43	48	43	47	45	43	44	98	47	79	48	47	94	95	83	82	46	99	99	48	82	43	46	47	45	46
	48	79	48	52	48	52	50	47	49	78	53	83	53	52	78	75	83	82	51	79	78	53	83	47	48	49	49	50
	58	48	58	62	57	64	57	55	56	48	62	47	74	64	47	44	48	48	65	48	49	63	48	73	80	80	76	60
	63	49	63	64	62	66	62	58	61	48	64	50	78	68	48	44	49	49	68	48	49	65	49	68	74	75	72	61
	61	47	61	80	60	100	60	57	59	47	79	50	66	84	48	43	46	46	83	47	48	97	46	61	65	66	65	79
	45	85	45	48	45	48	47	45	47	85	49	90	52	48	83	84	85	86	47	85	86	49	85	45	47	48	49	47
	62	47	62	74	61	85	61	56	60	47	74	46	62	75	47	43	45	45	75	47	48	85	45	60	61	62	64	72
	43	99	43	48	43	47	45	43	44	99	47	80	48	47	95	96	84	83	46	100	100	48	83	43	46	47	45	46
	58	44	58	76	57	95	57	54	56	44	75	47	63	79	45	41	44	44	79	44	45	92	44	57	60	61	61	74
	62	47	62	76	61	90	61	58	60	47	76	49	67	79	48	43	48	48	79	47	48	89	48	62	64	65	65	74
	98	42	98	59	97	59	97	87	98	42	71	43	65	57	42	38	42	42	60	42	42	59	42	52	57	58	59	55
	91	42	91	57	90	58	90	97	91	42	66	44	64	55	42	38	42	42	57	42	42	58	42	51	57	58	57	52
	100	43	100	61	99	61	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	44	54	59	60	61	57
	61	47	61	80	60	100	60	57	59	47	79	50	66	84	48	43	46	46	83	47	48	97	46	61	65	66	65	79
	60	48	60	67	59	72	60	59	59	48	68	50	77	70	49	44	49	49	70	48	49	71	49	66	73	74	70	65
	61	48	61	68	60	73	60	59	59	48	68	50	77	70	49	44	49	49	70	48	49	72	49	66	74	75	70	65
	43	82	43	45	43	45	45	41	44	81	47	79	49	45	81	78	98	97	44	82	81	46	97	44	45	46	46	43
	61	49	61	75	60	94	60	57	59	49	74	50	67	78	50	45	48	48	79	49	50	93	48	64	70	70	68	73
	-	43	100	61	99	81	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	44	54	59	60	61	57
	-	43	48	43	47	45	43	44	98	47	80	48	47	94	95	84	83	46	99	99	48	83	43	46	47	45	46	
			-	61	99	61	99	88	100	43	72	45	67	59	44	40	44	44	62	43	44	61	44	54	59	60	61	57
				-	60	80	60	55	59	48	85	49	65	94	48	44	46	46	93	48	49	78	46	58	60	60	61	99
					-	60	98	87	99	43	71	45	67	58	44	40	44	44	61	43	44	60	44	53	58	59	60	56
						-	60	57	59	47	79	50	66	84	48	43	46	46	83	47	48	97	46	61	65	66	65	79
							-	87	99	45	75	46	67	61	45	41	46	44	61	45	44	60	46	55	58	59	60	57
								-	88	43	67	44	63	56	43	39	42	40	56	43	42	57	42	51	56	57	55	52
									-	44	74	46	68	60	44	42	45	44	60	44	44	59	45	55	57	58	60	58
											47	80	48	47	94	95	83	83	46	99	100	48	82	43	46	47	45	46
											-	50	75	82	47	43	48	48	80	47	48	76	48	64	62	63	66	84
												-	51	50	79	78	81	81	50	80	80	50	80	43	46	47	48	47
														-	70	47	46	50	51	69	48	65	50	74	72	73	75	64
															-	47	43	46	46	97	47	48	81	46	62	63	64	93
																-	91	83	83	47	95	96	49	82	42	46	47	45
																	-	80	81	42	96	98	44	79	40	42	43	46
																	-	100	45	84	83	47	99	45	46	47	47	44

TABLE 6.4

[illegible]

TABLE 6.5

[illegible]

TABLE 6.6

[illegible]

TABLE 6.7

82	83	82	100	80	44	48	47	83	47	47	47	46	43	47	44	45	100	46	100	49	49	44	47	81
46	46	46	45	51	62	48	45	46	64	64	75	82	40	45	83	82	76	81	74	45	83	44	73	70
99	100	99	84	77	43	46	44	100	47	47	47	46	74	84	47	43	48	45	46	84	47	83	49	48
99	100	99	83	76	44	47	46	100	48	48	48	47	78	83	48	43	49	46	47	83	48	83	50	49
48	48	48	47	50	61	48	47	48	65	65	88	96	42	47	97	92	90	95	88	47	97	46	82	72
82	83	82	99	80	44	48	46	83	47	47	46	45	87	99	46	43	47	44	45	99	46	98	49	49
43	43	43	45	47	54	39	38	43	74	74	60	60	45	45	61	62	61	59	60	45	61	44	66	68
46	46	46	46	48	59	46	45	46	99	99	66	64	42	46	65	60	67	63	65	46	65	45	66	78
47	47	47	47	49	60	47	46	47	100	100	67	65	42	47	66	60	68	64	66	47	66	46	67	79
45	45	45	47	49	61	44	45	45	77	78	64	64	43	47	65	61	65	63	64	47	65	47	69	72
46	46	46	44	48	57	44	42	46	58	58	72	78	40	44	79	78	73	77	71	44	79	44	68	65
-	99	100	83	76	42	45	43	99	47	47	47	46	73	83	47	43	48	45	46	83	47	82	49	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	99	84	77	43	46	44	100	47	47	47	47	46	74	84	47	43	48	45	46	84	47	83	49	48
-	83	76	42	45	43	99	47	47	47	47	47	46	74	84	47	43	48	45	46	84	47	83	49	48
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

TABLE 6.8

[illegible]

TABLE 6.9

80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
45	81	100	85	51	47	80	48	85	46	44	85	46	79	82	48	46	79	100	100	100	79	80	100	46	50	78	80
72	48	49	51	92	65	47	74	51	73	59	51	73	47	49	75	73	47	49	49	49	47	47	49	73	98	46	47
74	49	50	52	94	67	48	76	52	75	61	52	75	48	50	77	75	48	50	50	50	48	48	50	75	100	47	48
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84
48	82	83	83	54	51	78	50	83	49	48	83	49	78	83	51	49	78	83	83	83	77	78	83	49	53	76	78
46	83	79	85	49	47	99	46	85	47	43	85	47	98	94	45	47	98	79	79	79	97	98	79	47	48	96	99
48	83	83	84	54	51	79	49	84	49	48	84	49	79	84	50	49	79	83	83	83	78	79	83	49	53	77	79
80	48	46	49	75	61	48	70	49	80	58	49	80	48	48	66	80	49	46	46	46	48	48	46	80	72	47	48
74	49	49	50	80	63	48	86	50	75	63	50	75	48	50	67	75	48	49	49	49	47	48	49	75	79	47	48
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
47	85	90	95	51	47	85	49	95	48	45	95	48	86	84	47	48	85	90	90	90	84	85	90	48	50	84	85
61	45	45	47	70	73	47	61	47	62	62	47	62	47	49	81	62	47	45	45	45	46	47	45	62	70	46	47
46	84	80	86	49	47	100	46	86	47	43	86	47	99	95	45	47	99	80	80	80	98	99	80	47	48	97	100
60	44	46	46	71	75	44	59	46	61	58	46	61	44	46	88	61	44	46	46	46	44	44	46	61	69	43	44
64	48	48	49	75	75	47	62	49	65	62	49	65	47	48	84	65	48	48	48	48	47	47	48	65	74	46	47
57	42	42	43	63	58	42	60	43	58	98	43	58	42	42	61	58	42	42	42	42	42	42	42	58	59	41	42
57	42	43	44	62	56	42	59	44	58	91	44	58	42	42	60	58	42	43	43	43	42	42	43	58	60	41	42
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	44	43	44	60	61	42	43
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
73	49	50	52	93	66	48	75	52	74	60	52	74	48	50	76	74	48	50	50	50	48	48	50	74	99	47	48
74	49	50	52	94	67	48	76	52	75	61	52	75	48	50	77	75	48	50	50	50	48	48	50	75	100	47	48
45	98	79	83	48	44	82	45	83	46	43	83	46	82	81	44	46	81	79	79	79	81	81	79	46	48	80	82
70	48	49	51	76	74	49	63	51	70	61	51	70	49	50	87	70	49	49	49	49	49	49	49	70	73	48	49
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43
46	84	80	86	49	47	99	47	86	47	43	86	47	98	94	45	47	98	80	80	80	97	98	80	47	48	97	99
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43
60	46	48	49	69	99	48	60	49	60	61	49	60	48	49	78	60	48	48	48	48	48	48	48	60	68	47	48
58	44	44	45	64	59	43	60	45	59	99	45	59	43	44	62	59	43	44	44	44	43	43	44	59	60	42	43
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47
58	46	46	47	64	59	45	60	47	59	99	47	59	45	46	62	59	45	46	46	46	45	45	46	59	60	44	45
56	42	44	46	61	54	43	57	46	57	88	46	57	43	44	59	57	43	44	44	44	43	43	44	57	59	42	43
57	45	46	46	63	58	44	60	46	58	100	46	58	44	45	62	58	44	46	46	46	44	44	46	58	59	43	44
46	83	79	85	49	47	99	46	85	47	43	85	47	98	94	45	47	98	79	79	79	97	98	79	47	48	96	99
62	48	50	49	72	84	47	62	49	63	72	49	63	47	49	81	63	47	50	50	50	47	47	50	63	68	46	47
46	81	100	85	51	48	80	49	85	47	45	85	47	79	82	49	47	79	100	100	100	79	80	100	47	50	78	80
72	50	51	51	79	64	48	78	51	73	67	51	73	48	50	69	73	48	51	51	51	48	48	51	73	77	47	48
63	46	49	49	71	93	47	63	49	64	59	49	64	47	49	81	64	47	49	49	49	47	47	49	64	70	46	47
46	83	79	84	50	47	95	46	84	47	44	84	47	94	94	46	47	94	79	79	79	93	94	79	47	49	92	95
42	80	78	83	45	43	96	44	83	43	40	83	43	95	91	42	43	95	78	78	78	94	95	78	43	44	93	96
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84

TABLE 6.10

46	100	81	84	49	45	83	47	84	47	44	84	47	83	82	46	47	82	81	81	81	82	82	81	47	49	81	83	
63	45	49	48	70	92	46	63	48	64	62	48	64	46	48	80	64	46	49	49	49	46	46	49	64	70	45	46	
46	84	80	86	49	47	100	46	86	47	43	86	47	99	95	45	47	99	80	80	80	98	99	80	47	48	97	100	
47	83	80	86	50	48	100	48	86	48	44	86	48	99	95	47	48	99	80	80	80	98	99	80	48	49	97	100	
64	47	50	50	75	77	48	61	50	65	61	50	65	48	50	90	65	48	50	50	50	48	48	50	65	72	47	48	
46	99	80	84	49	45	83	46	84	47	44	84	47	83	82	45	47	82	80	80	80	82	82	80	47	49	81	83	
73	45	43	44	68	57	43	68	44	74	54	44	74	43	45	63	74	43	43	43	43	43	43	43	74	66	42	43	
98	46	45	49	80	59	46	75	49	99	59	49	99	46	47	71	99	46	45	45	45	46	46	45	99	74	45	46	
99	47	46	50	80	60	47	76	50	100	60	50	100	47	48	72	100	47	46	46	46	47	47	46	100	75	46	47	
77	47	47	46	72	60	45	74	46	78	61	46	78	45	47	65	78	45	47	47	47	45	45	47	78	70	44	45	
57	44	47	47	66	98	46	58	47	58	57	47	58	46	47	77	58	46	47	47	47	46	46	47	58	65	45	46	
46	83	79	85	49	47	99	46	85	47	42	85	47	98	94	45	47	98	79	79	79	97	98	79	47	48	96	99	
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84	
48	81	81	80	52	49	77	46	80	49	46	80	49	77	79	48	49	76	81	81	81	77	77	81	49	51	75	77	
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43	
46	48	45	48	49	48	46	44	48	47	49	48	47	46	46	45	47	46	45	45	45	47	46	45	47	47	45	46	
45	46	45	46	48	45	44	45	46	46	48	46	46	44	44	45	46	44	45	45	45	45	44	45	46	46	43	44	
46	84	80	86	49	47	100	46	86	47	43	86	47	99	95	45	47	99	80	80	80	98	99	80	47	48	97	100	
99	47	46	50	80	59	47	76	50	100	59	50	100	47	48	72	100	47	46	46	46	47	47	46	100	75	46	47	
99	47	46	50	80	60	47	76	50	100	60	50	100	47	48	72	100	47	46	46	46	47	47	46	100	75	46	47	
66	46	46	48	76	73	47	62	48	67	60	48	67	47	48	82	67	47	46	46	46	47	47	46	67	73	46	47	
65	45	48	48	75	79	46	61	48	65	60	48	65	46	48	91	65	46	48	48	48	46	46	48	65	72	45	46	
41	88	72	75	44	40	74	41	75	42	40	75	42	74	73	41	42	74	72	72	72	73	73	72	42	43	72	74	
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84	
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47	
59	43	46	45	72	78	43	58	45	60	54	45	60	43	45	91	60	43	46	46	46	43	43	46	60	71	42	43	
67	47	47	49	76	74	48	62	49	68	61	49	68	48	49	83	68	48	47	47	47	48	48	47	68	73	47	48	
64	44	47	47	74	78	45	60	47	64	59	47	64	45	47	90	64	45	47	47	47	45	45	47	64	71	44	45	
65	45	45	47	75	72	46	62	47	66	59	47	66	46	47	81	66	46	45	45	45	46	46	45	66	72	45	46	
46	100	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84	
65	46	49	49	76	80	47	62	49	66	61	49	66	47	49	92	66	47	49	49	49	47	47	49	66	73	46	47	
45	99	81	84	48	44	83	46	84	46	43	84	46	83	82	44	46	82	81	81	81	82	82	81	46	48	81	83	
66	49	51	51	86	70	49	71	51	67	64	51	67	49	51	77	67	50	51	51	51	49	49	51	67	85	48	49	
78	49	49	52	90	67	48	72	52	79	59	52	79	48	49	77	79	48	49	49	49	48	48	49	79	96	47	48	
59	44	44	45	65	60	43	61	45	60	100	45	60	43	44	63	60	43	44	44	44	43	43	44	60	61	42	43	
99	47	46	50	80	60	47	76	50	100	60	50	100	47	48	72	100	47	46	46	46	47	47	46	100	75	46	47	
45	81	100	85	51	47	80	48	85	46	44	85	46	46	79	82	48	46	79	100	100	79	80	100	46	50	78	80	
-	46	45	49	80	59	46	75	49	99	59	49	99	46	47	71	99	46	45	45	45	46	46	45	99	74	45	46	
-	-	81	85	49	45	84	46	85	47	44	85	47	84	83	45	47	83	81	81	81	83	83	81	47	49	82	84	
-	-	-	85	51	47	80	48	85	46	44	85	46	46	79	82	48	46	79	100	100	100	79	80	100	46	50	78	80

TABLE 6.11

[illegible]

TABLE 6.12

44	46	84	83	83	44	49	46	83	84	41	Mpl.16
62	82	48	46	46	62	65	83	49	48	42	Mpl.19
43	47	86	100	100	43	46	47	85	86	43	Mpl.21
44	48	86	100	100	44	48	48	85	86	44	Mpl.24
61	96	50	48	48	61	69	97	51	50	45	Mpl.26
44	46	84	83	83	44	48	46	82	84	46	Mpl.28
54	61	44	43	43	54	94	61	47	44	47	Mpl.29
59	65	49	46	46	59	78	65	50	49	48	Mpl.30
60	66	50	47	47	60	79	66	51	50	49	Mpl.31
61	65	46	45	45	61	99	65	48	46	50	Mpl.32
57	78	47	46	46	57	60	79	49	47	51	Mpl.33
42	47	85	99	99	42	46	47	84	85	52	Mpl.35
43	47	86	100	100	43	46	47	85	86	53	MusK.01
42	47	85	99	99	42	46	47	84	85	54	MusK.02
44	46	85	84	84	44	48	46	83	85	55	MusK.06
46	49	80	77	77	46	50	49	78	80	56	NpoR.25
100	60	45	43	43	99	61	61	46	45	57	NpoR.44
49	48	48	46	46	49	45	48	49	48	58	NpoR.53
48	47	46	44	44	48	46	47	48	46	59	NpoR.81
43	47	86	100	100	43	46	47	85	86	60	NpoR.86
59	66	50	47	47	59	78	66	51	50	61	Rse.01
60	66	50	47	47	60	79	66	51	50	62	Rse.02
60	88	48	47	47	60	65	89	49	48	63	Rse.03
60	98	48	46	46	60	65	99	49	48	64	Rse.04
40	41	75	74	74	40	44	41	80	75	65	Rse.07
44	46	85	84	84	44	48	46	83	85	66	Rse.08
61	99	49	47	47	61	66	100	50	49	67	Rse.15
54	94	45	43	43	54	62	95	46	45	68	Rse.16
61	90	49	48	48	61	66	90	50	49	69	Rse.18
59	97	47	45	45	59	64	98	48	47	70	Rse.20
59	88	47	46	46	59	65	88	48	47	71	Rse.21
44	46	85	84	84	44	48	46	83	85	72	Rse.22
61	99	49	47	47	61	66	100	50	49	73	Rse.23
43	45	84	83	83	43	48	45	83	84	74	Rse.24
64	82	51	49	49	63	70	83	52	51	75	Rse.52
59	72	52	48	48	59	73	73	53	52	76	Rse.53
100	60	45	43	43	99	61	61	46	45	77	Rse.58
60	66	50	47	47	60	79	66	51	50	78	Rse.60
44	49	85	80	80	44	48	49	85	85	79	Rse.61
59	65	49	46	46	59	78	65	50	49	80	Rse.63
44	46	85	84	84	44	48	46	83	85	81	her3.1
44	49	85	80	80	44	48	49	85	85	82	her3.10

TABLE 6.14

45	49	100	86	86	45	47	49	99	100	83	her3.11
65	75	53	49	49	64	73	76	54	53	84	her3.12
60	79	48	47	47	60	61	80	49	48	85	her3.16
43	47	86	100	100	43	46	47	85	86	86	her3.18
61	62	47	46	46	60	75	62	49	47	87	her3.19
45	49	100	86	86	45	47	49	99	100	88	her3.22
60	66	50	47	47	60	79	66	51	50	89	her3.3
100	60	45	43	43	99	61	61	46	45	90	her3.4
45	49	100	86	86	45	47	49	99	100	91	her3.7
60	66	50	47	47	60	79	66	51	50	92	obr.1
43	47	87	99	99	43	46	47	86	87	93	obr.11
44	49	85	95	95	44	48	49	83	85	94	obr.12
63	91	49	45	45	63	66	92	51	49	95	obr.14
60	66	50	47	47	60	79	66	51	50	96	obr.15
43	47	85	99	99	43	46	47	84	85	97	obr.16
44	49	85	80	80	44	48	49	85	85	98	obr.17
44	49	85	80	80	44	48	49	85	85	99	obr.18
44	49	85	80	80	44	48	49	85	85	100	obr.19
43	47	85	98	98	43	46	47	83	85	101	obr.2
43	47	86	99	99	43	46	47	85	86	102	obr.20
44	49	85	80	80	44	48	49	85	85	103	obr.21
60	66	50	47	47	60	79	66	51	50	104	obr.22
61	72	52	48	48	60	71	73	53	52	105	obr.23
42	46	85	97	97	42	45	46	83	85	106	obr.24
43	47	86	100	100	43	46	47	85	86	107	obr.26
-	60	45	43	43	99	61	61	46	45	108	obr.3
-	49	47	47	47	60	66	99	50	49	109	obr.4
		-	86	86	45	47	49	99	100	110	vegf.1
			-	100	43	46	47	85	86	111	vegf.10
				-	43	46	47	85	86	112	vegf.2
				-		61	61	46	45	113	vegf.3
						-	66	49	47	114	vegf.4
							-	50	49	115	vegf.5
								-	99	116	vegf.6
									-	117	vegf.8
108	109	110	111	112	113	114	115	116	117		Clone
					VEGF						

TABLE 6.15